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IN THE CLAIMS:

1. (Currently Amended) A battery comprising:

a battery module provided with a metal tab; and

a package having an innermost heat-sealable layer and holding the battery module therein such that the metal tab ~~extend~~ extends outside from the package;

wherein (1) the package has a heat-sealed peripheral part, and a part of the tab corresponding to the heat-sealed peripheral part is provided with a corrosion-resistant layer formed by a chemical conversion treatment and (2) the part of the tab corresponding to the corrosion-resistant layer has been degreased.

2. (Canceled)

3. (Original) The battery according to claim 1, wherein

the corrosion-resistant layer of the tab is formed of a resin containing a phenolic resin and a metal of molybdenum, titanium or zirconium, or a metallic salt.

4. (Original) The battery according to claim 1, wherein the corrosion-resistant layer of the tab is formed by a triazine thiol treatment.

5. (Original) The battery according to claim 1, wherein the package further comprises a base layer, a bonding layer, and a first corrosion-resistant layer formed by a chemical conversion treatment.

6. (Original) The battery according to 5, wherein the package further comprises a second corrosion-resistant layer sandwiched between the bonding layer and the barrier layer.

7. (Original) The battery according to claim 1, wherein an adhesive film is wound around the tabs.

8. (Currently Amended) A metal tab for a battery including a sealed package having a sealed peripheral part and a battery module held in the package, attached to the battery module and extending outside through the sealed peripheral part of the package, said metal tab comprising:

a tab body; and

a corrosion-resistant layer formed on a part of the tab body corresponding to the sealed peripheral part of the package by a chemical conversion treatment, wherein the part of the tab body corresponding to the corrosion-resistant layer has been degreased.

9. (Canceled)

10. (Original) The tab according to claim 8, wherein the corrosion-resistant layer of the tab contains a resin containing a phenolic resin, and a metal of molybdenum, titanium or zirconium, or a metallic salt.

11. (Original) The tab according to claim 8, wherein the corrosion-resistant layer of the tab is formed by a triazine thiol treatment.

12. (Currently Amended) A tab manufacturing method comprising the steps of:

preparing a metal sheet for forming a tab body;  
slitting the metal sheet into the tab body;  
degreasing an entire surface of the tab body;  
applying a solution prepared by mixing a phosphate, chromic acid, a fluoride and a triazine thiol compound to the degreased surface of the tab body; and

drying the solution applied to the tab body to coat the tab body with a film, and heating the film at a temperature not lower than 180°C to form a corrosion-resistant layer.

13. (New) A battery comprising:  
a battery module provided with a metal tab; and  
a package having an innermost heat-sealable layer and holding the battery module therein such that the metal tab extends outside from the package;

wherein the package has a heat-sealed peripheral part, and a part of the tab corresponding to the heat-sealed peripheral part is provided with a corrosion-resistant layer formed by a chemical conversion treatment, and

wherein the corrosion-resistant layer of the tab is formed by using a processing solution prepared by mixing a phenolic resin, a chromium fluoride (3) compound and phosphoric acid.

14. (New) The battery according to claim 13, wherein the package further comprises a base layer, a bonding layer, and a first corrosion-resistant layer formed by a chemical conversion treatment.

15. (New) The battery according to claim 14, wherein the package further comprises a second corrosion-resistant layer sandwiched between the bonding layer and the barrier layer.

16. (New) The battery according to claim 13, wherein an adhesive film is wound around the tabs.

17. (New) A battery comprising:

a battery module provided with a metal tab; and

a package having an innermost heat-sealable layer and holding the battery module therein such that the metal tab extends outside from the package;

wherein the package has a heat-sealed peripheral part and a part of the tab corresponding to the heat-sealed peripheral part is provided with a corrosion-resistant layer formed by a chemical conversion treatment,

wherein the part of the tab corresponding to the corrosion-resistant layer has been degreased, and

wherein the corrosion-resistant layer of the tab is formed by using a processing solution prepared by mixing a phenolic resin, a chromium fluoride (3) compound and phosphoric acid.

18. (New) The battery according to claim 17, wherein

the package further comprises a base layer, a bonding layer, and a first corrosion-resistant layer formed by a chemical conversion treatment.

19. (New) The battery according to claim 18, wherein the package further comprises a second corrosion-resistant layer sandwiched between the bonding layer and the barrier layer.

20. (New) The battery according to claim 17, wherein an adhesive film is wound around the tabs.

21. (New) A metal tab for a battery including a sealed package having a sealed peripheral part and a battery module held in the package, attached to the battery module and extending outside through the sealed peripheral part of the package, said metal tab comprising:

a tab body; and

a corrosion-resistant layer formed on a part of the tab body corresponding to the sealed peripheral part of the package by a chemical conversion treatment,

wherein the corrosion-resistant layer is formed by using a processing solution prepared by mixing a phenolic resin, a chromium fluoride (3) compound and phosphoric acid.



22. (New) A metal tab for a battery including a sealed package having a sealed peripheral part and a battery module held in the package, attached to the battery module and extending outside through the sealed peripheral part of the package, said metal tab comprising:

a tab body; and

a corrosion-resistant layer formed on a part of the tab body corresponding to the sealed peripheral part of the package by a chemical conversion treatment,

wherein the part of the tab body corresponding to the corrosion-resistant layer has been degreased and

wherein the corrosion-resistant layer is formed by using a processing solution prepared by mixing a phenolic resin, a chromium fluoride (3) compound and phosphoric acid.